

1/19

FIG. 1

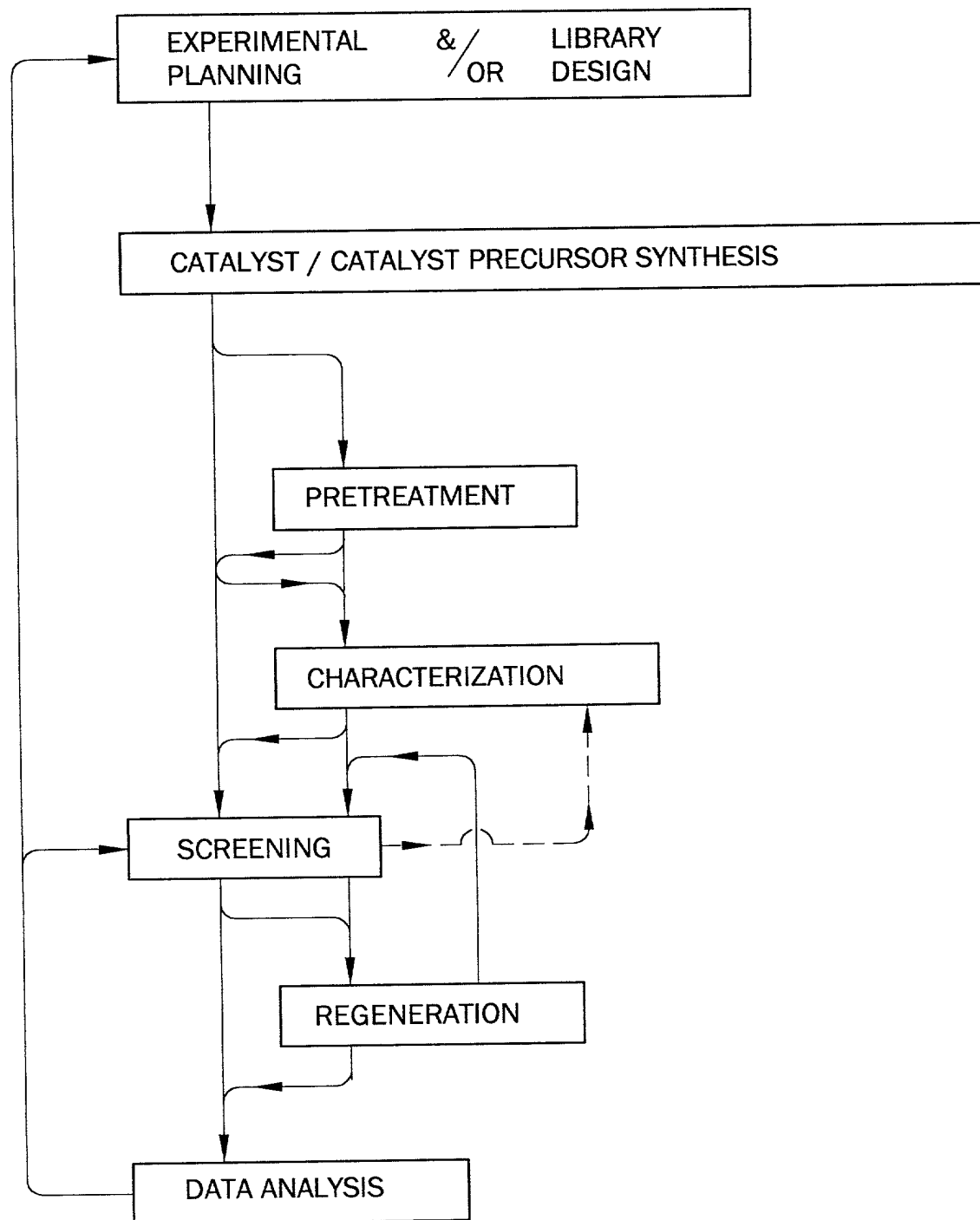


FIG. 2A

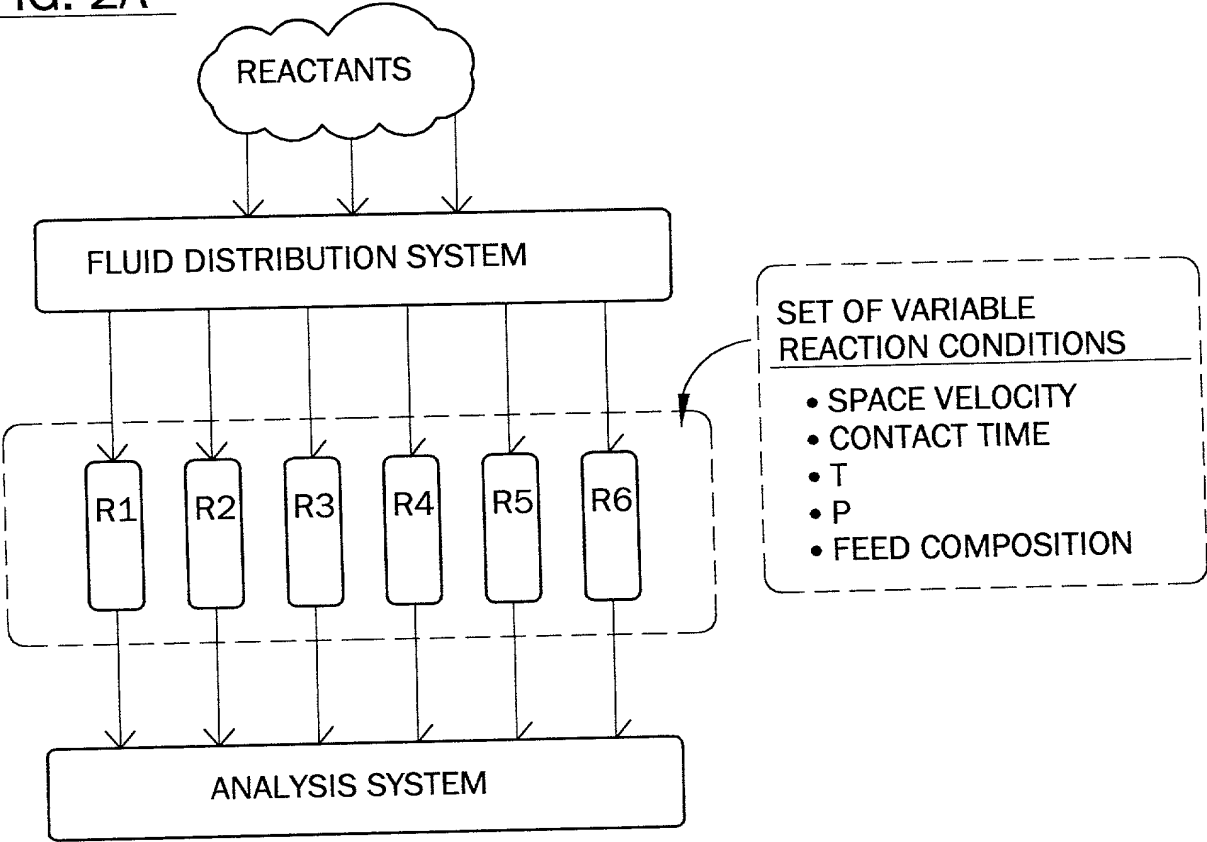


FIG. 2B

SV ₁ (or CT ₁)	C ₁	C ₁
SV ₂ (or CT ₂)	C ₁	C ₁
SV ₃ (or CT ₃)	C ₁	C ₁
	T ₁ (or P ₁) (or FC ₁)	T ₂ (or P ₂) (or FC ₂)

6 SIMULTANEOUS
EXPERIMENTS

FIG. 2C

SV ₁ (or CT ₁)	C ₁	C ₁	C ₁	C ₁
SV ₂ (or CT ₂)	C ₁	C ₁	C ₁	C ₁
SV ₃ (or CT ₃)	C ₁	C ₁	C ₁	C ₁
	T ₁	T ₂	P ₁ (or FC ₁)	P ₂ (or FC ₂)

12 SIMULTANEOUS
EXPERIMENTS

3/19

FIG. 2D

SV ₁ (or CT ₁)	C ₁	C ₁	C ₂	C ₂
SV ₂ (or CT ₂)	C ₁	C ₁	C ₂	C ₂
SV ₃ (or CT ₃)	C ₁	C ₁	C ₂	C ₂
	T ₁ (or P ₁) (or FC ₁)	T ₂ (or P ₂) (or FC ₂)	T ₁ (or P ₁) (or FC ₁)	T ₂ (or P ₂) (or FC ₂)

12 SIMULTANEOUS
EXPERIMENTS

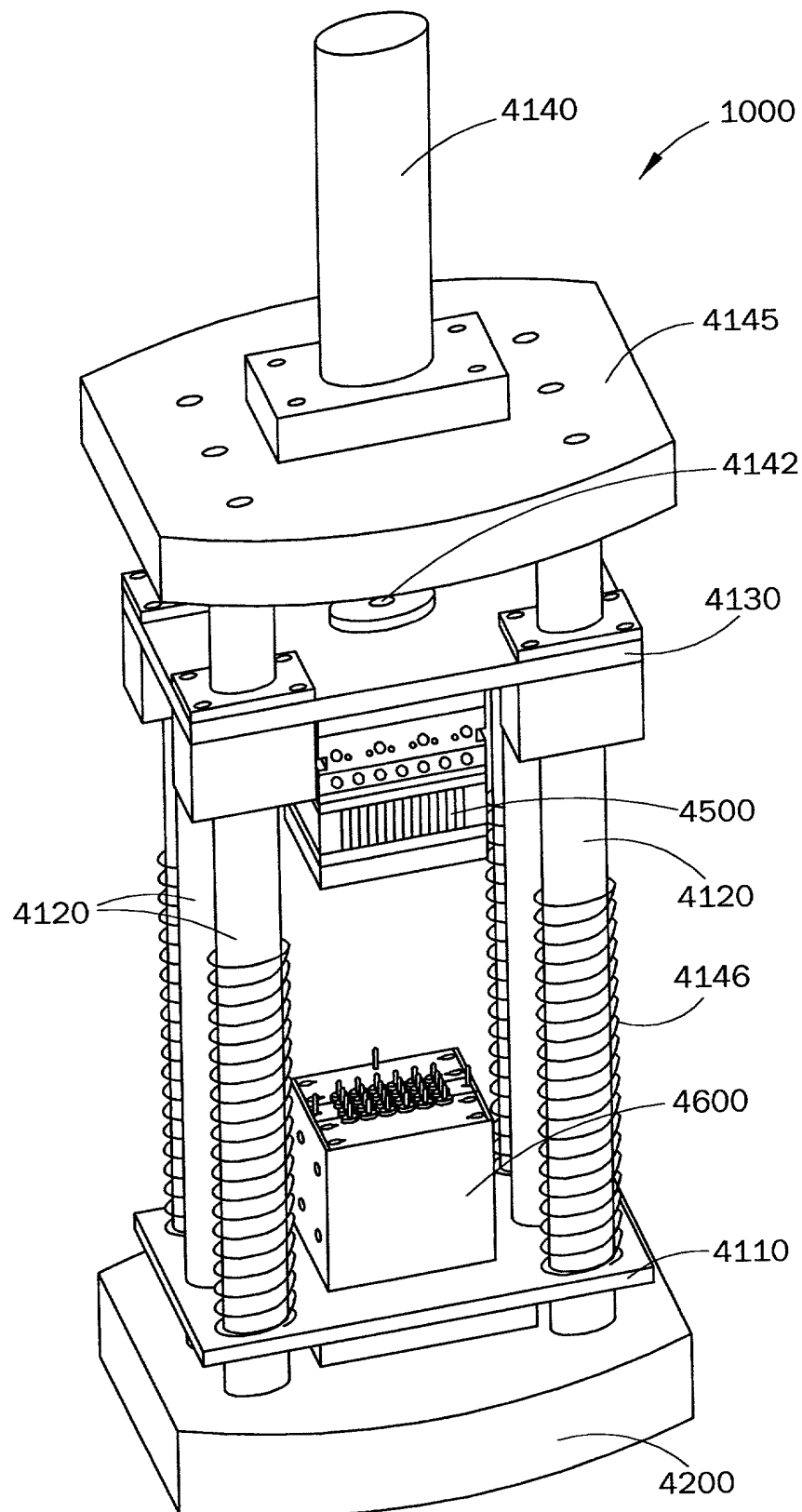
FIG. 2E

SV ₁ (or CT ₁)	C ₁	C ₂	C ₃	C ₄
SV ₂ (or CT ₂)	C ₄	C ₁	C ₂	C ₃
SV ₃ (or CT ₃)	C ₃	C ₄	C ₁	C ₂
SV ₄ (or CT ₄)	C ₂	C ₃	C ₄	C ₁
	T ₁ (or P ₁) (or FC ₁)	T ₂ (or P ₂) (or FC ₂)	T ₃ (or P ₃) (or FC ₃)	T ₄ (or P ₄) (or FC ₄)

16 SIMULTANEOUS
EXPERIMENTS

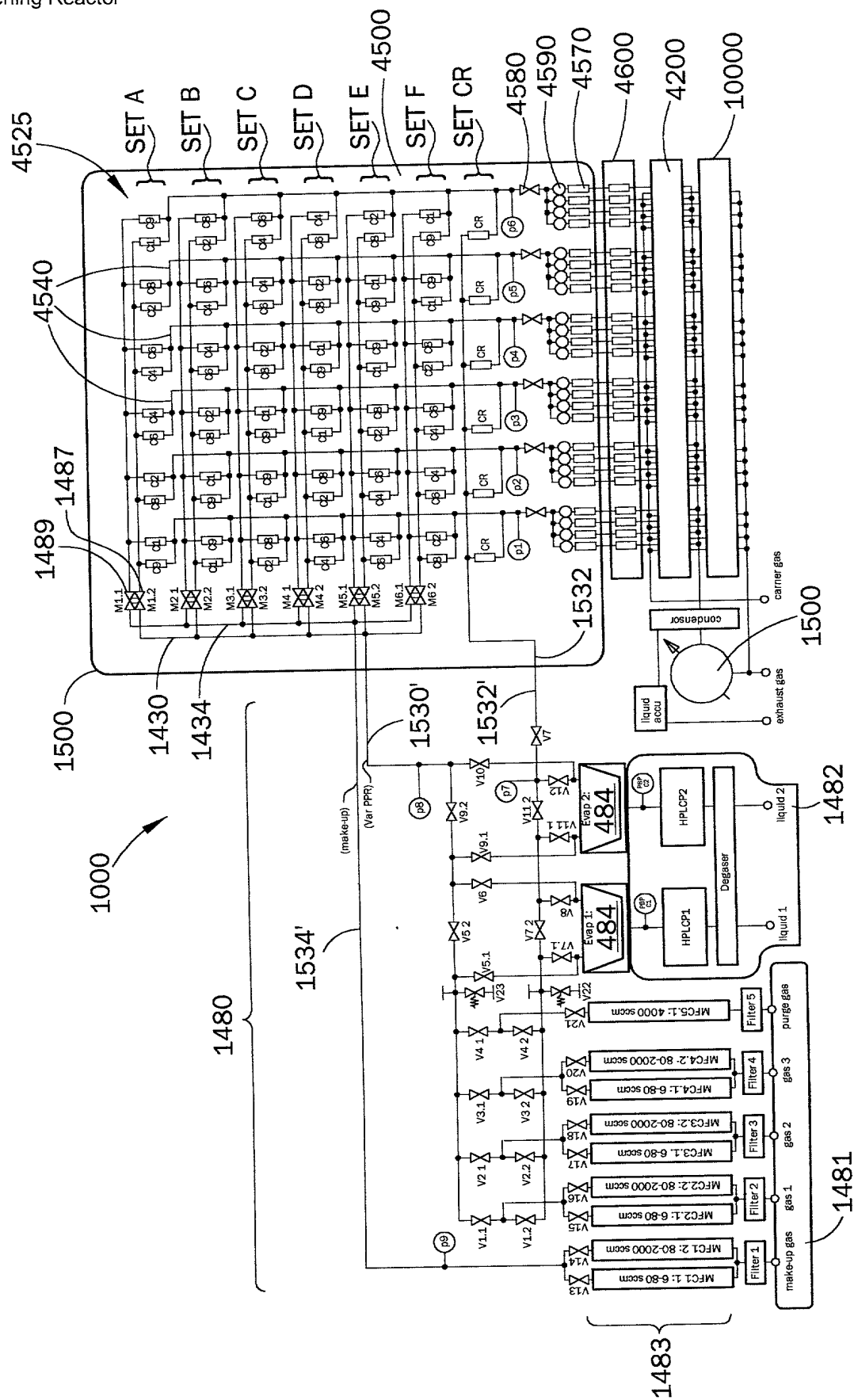
FIG. 2F

4/19



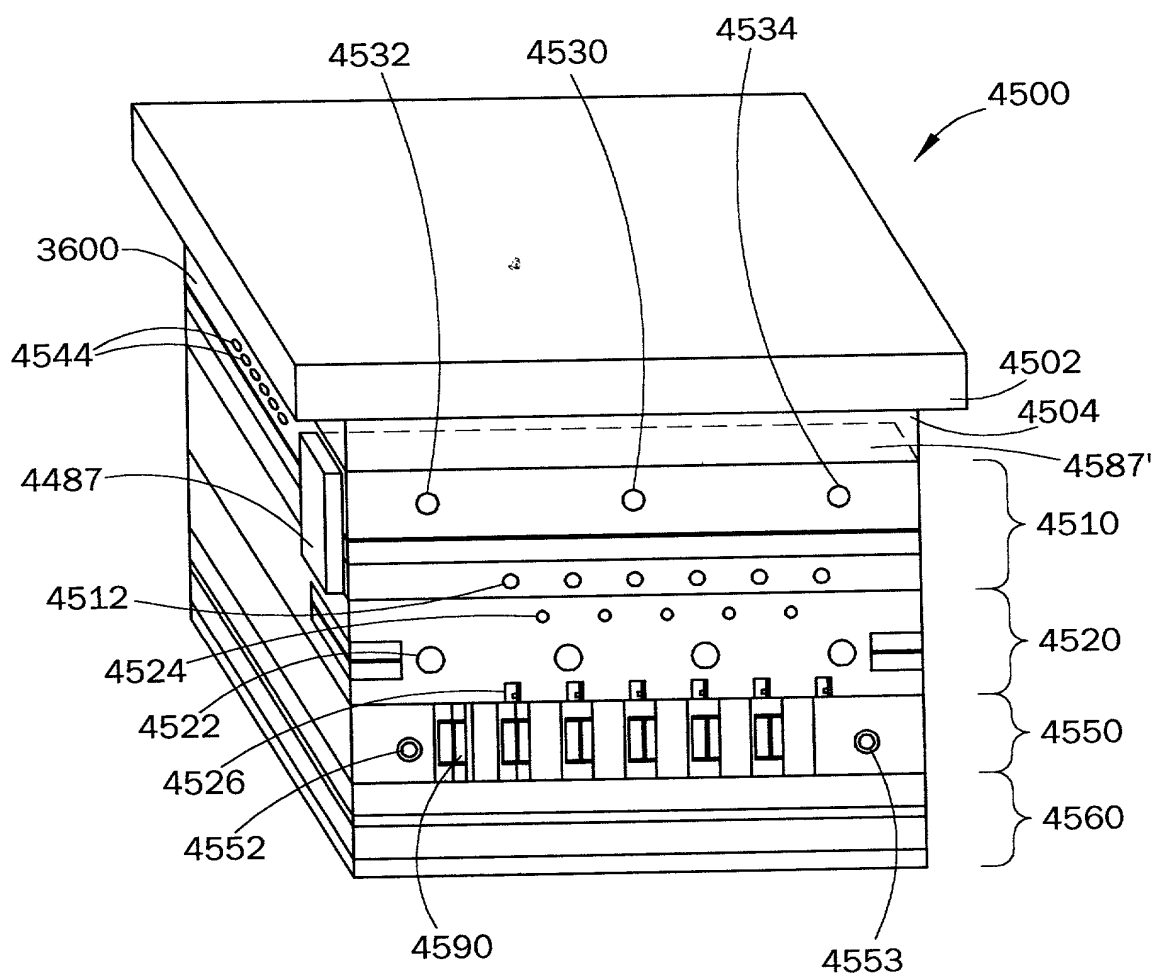
5/19

FIG. 2G



6/19

FIG. 2H



Patent 6,930,663



7/19

FIG. 2I

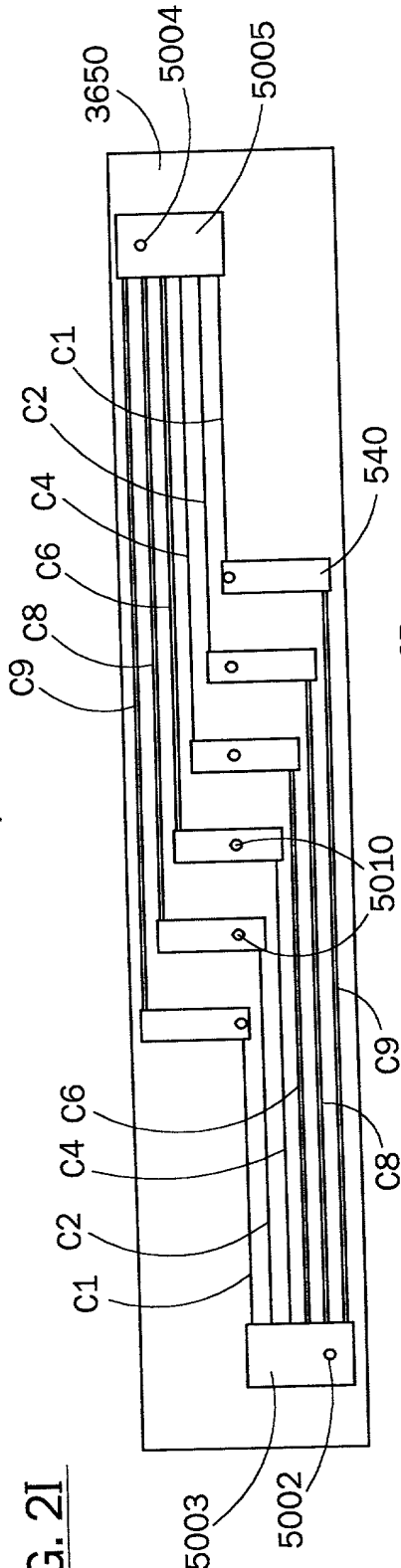


FIG. 2J

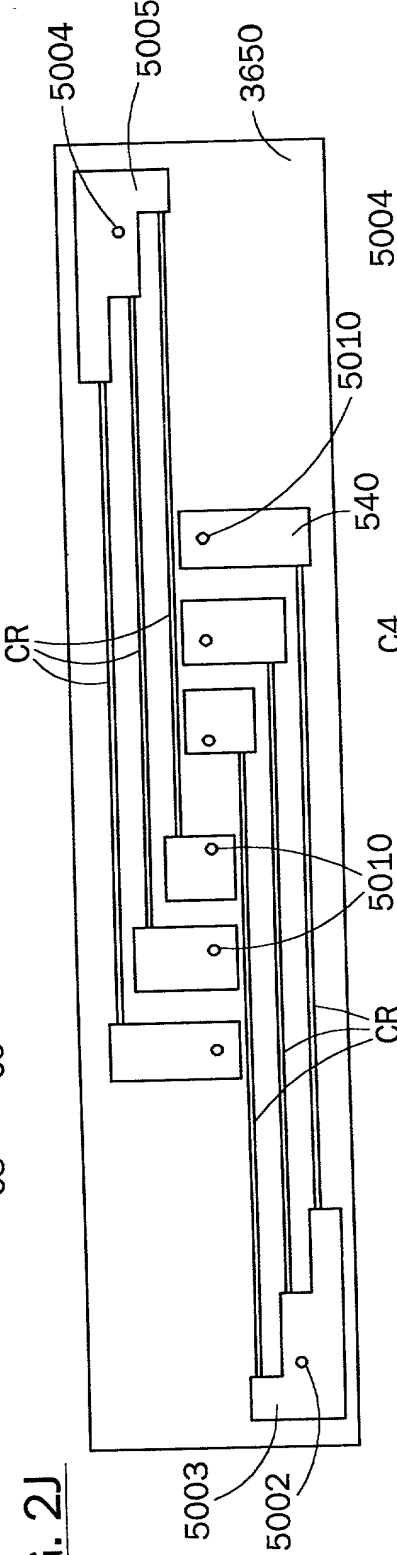
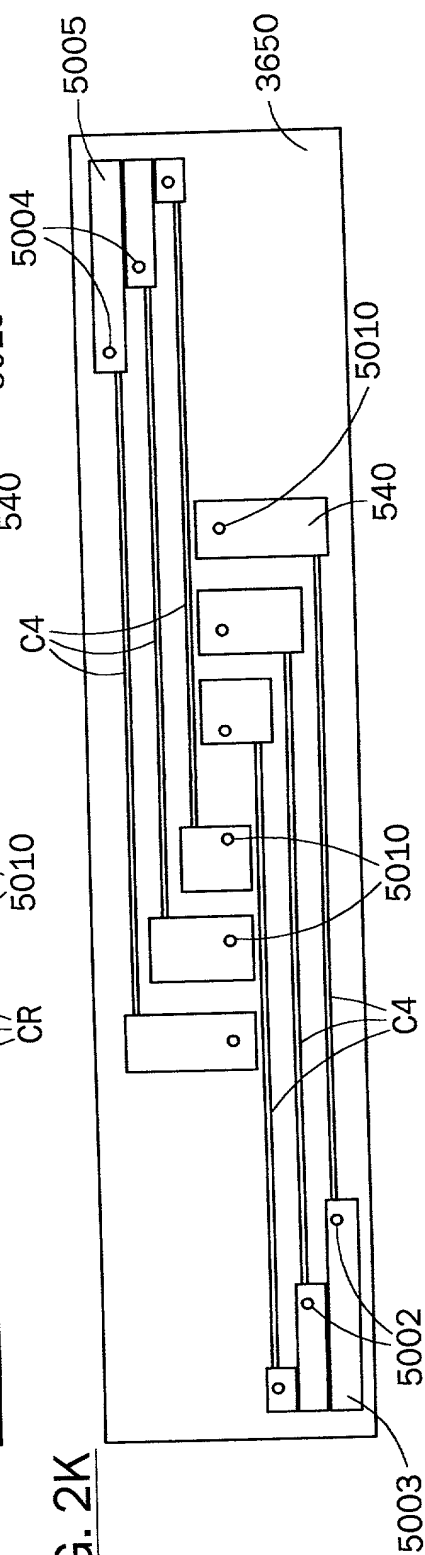
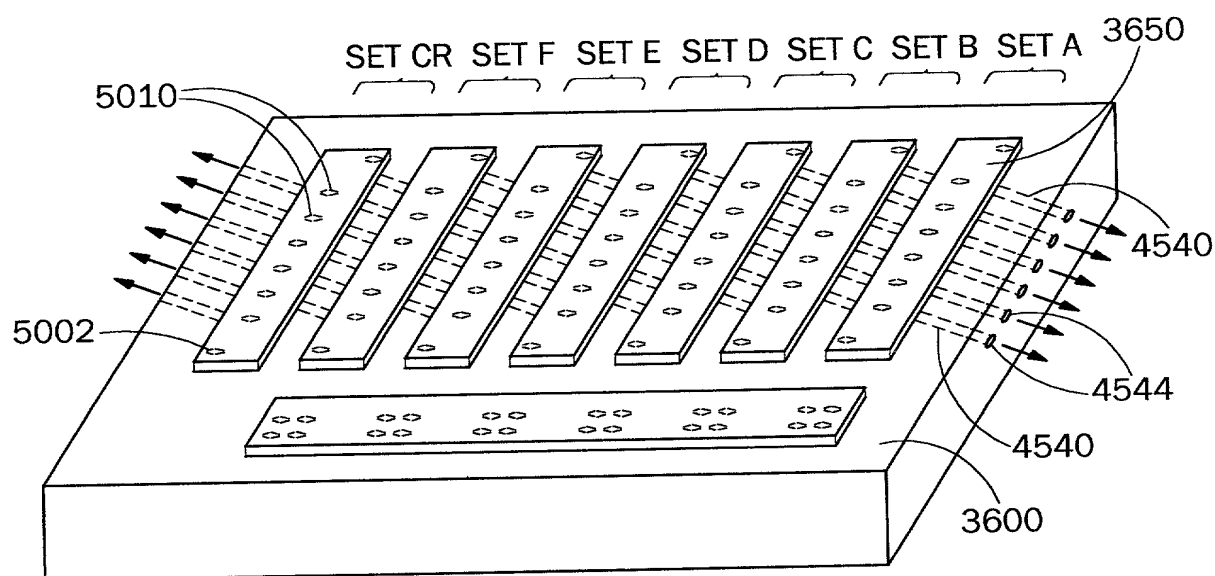


FIG. 2K



8/19

FIG. 2L



9/19

FIG. 2M

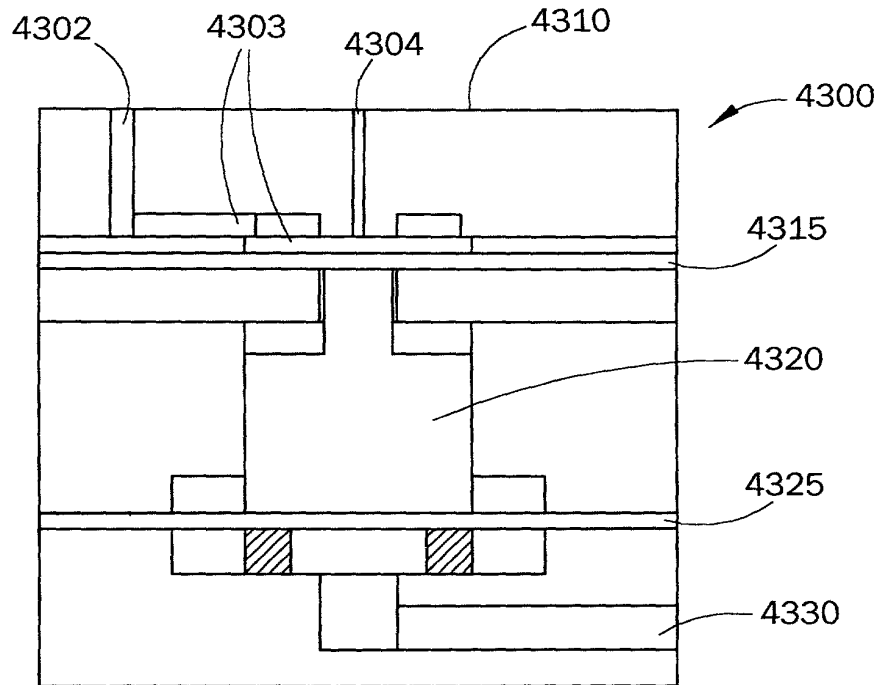
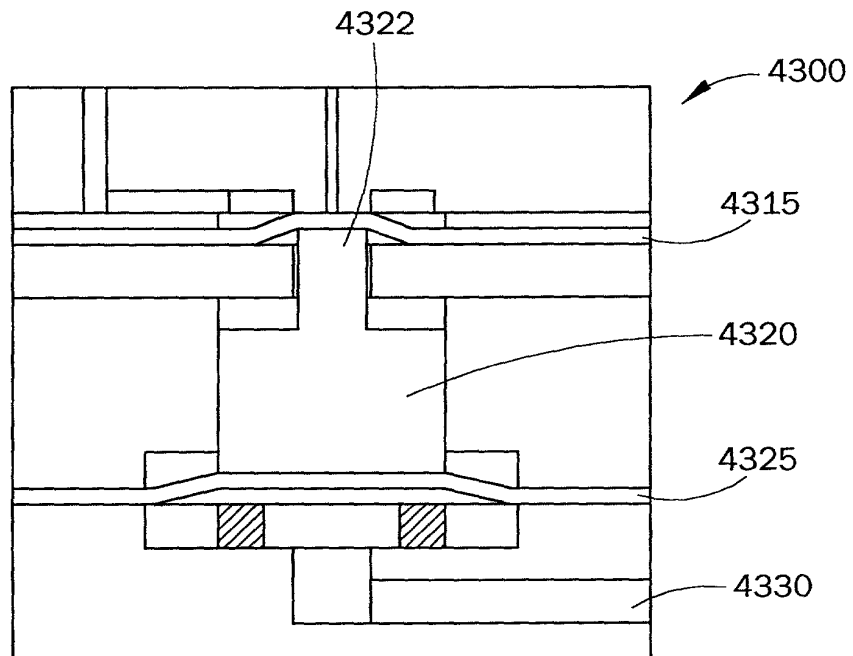


FIG. 2N



10/19

FIG. 20

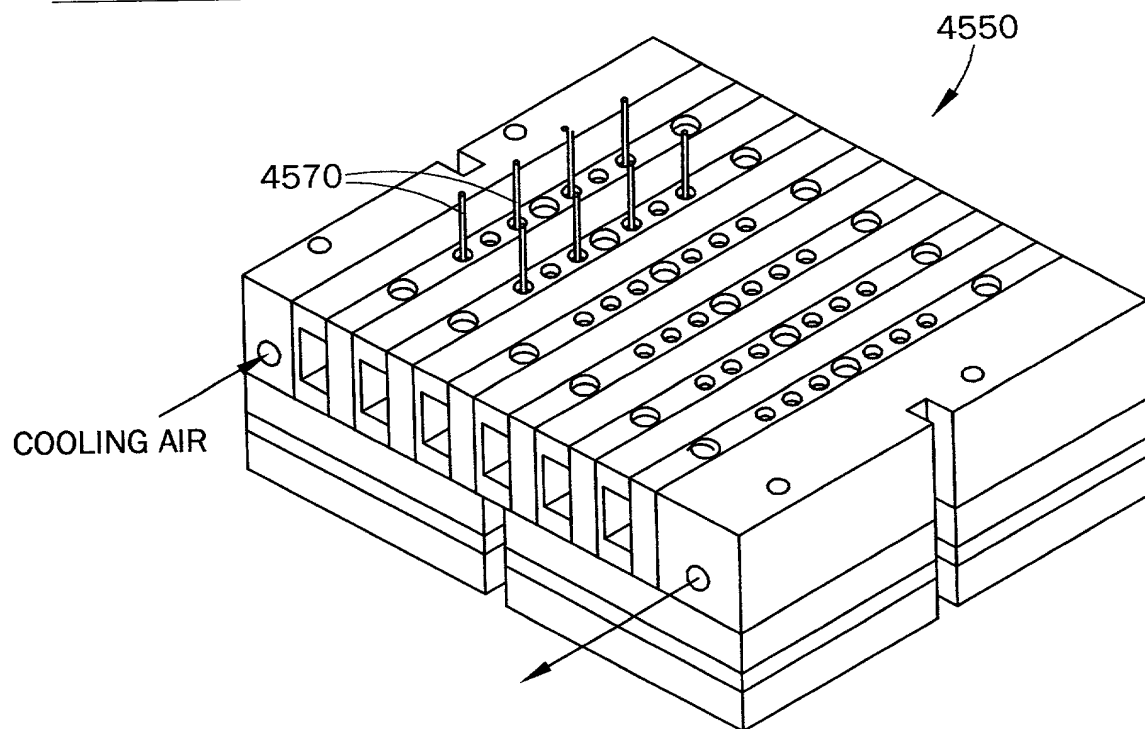
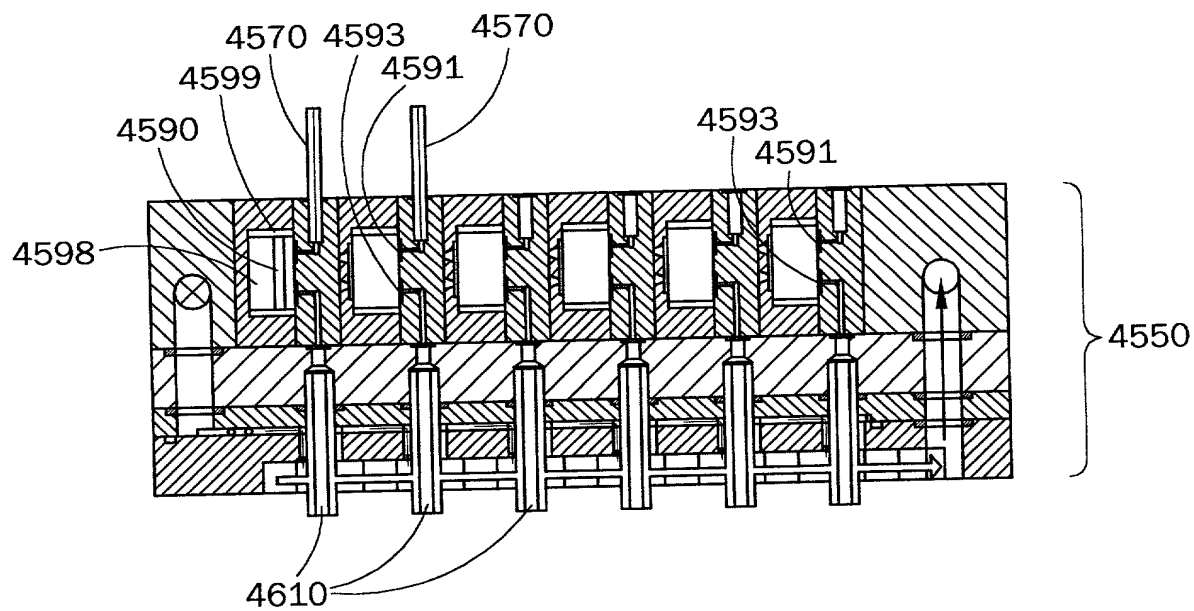


FIG. 2P



11/19

FIG. 2Q

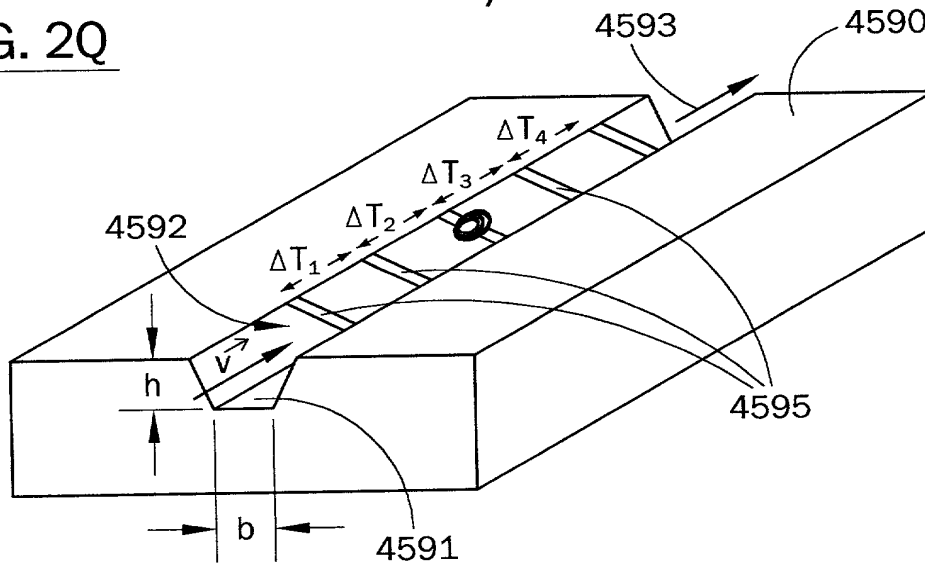


FIG. 2R

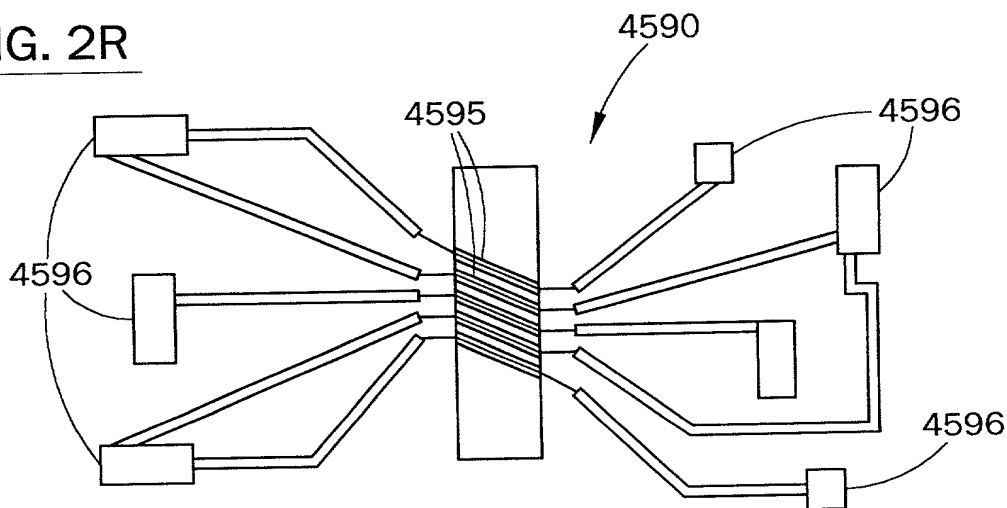
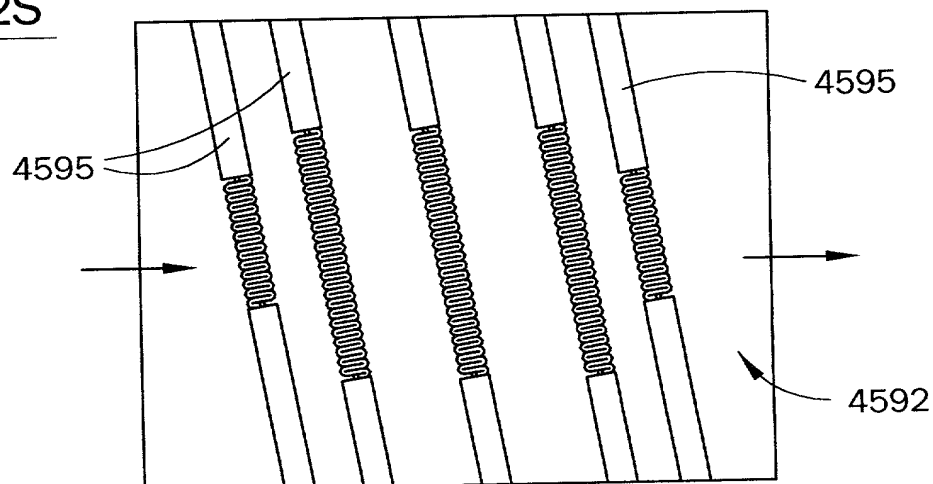
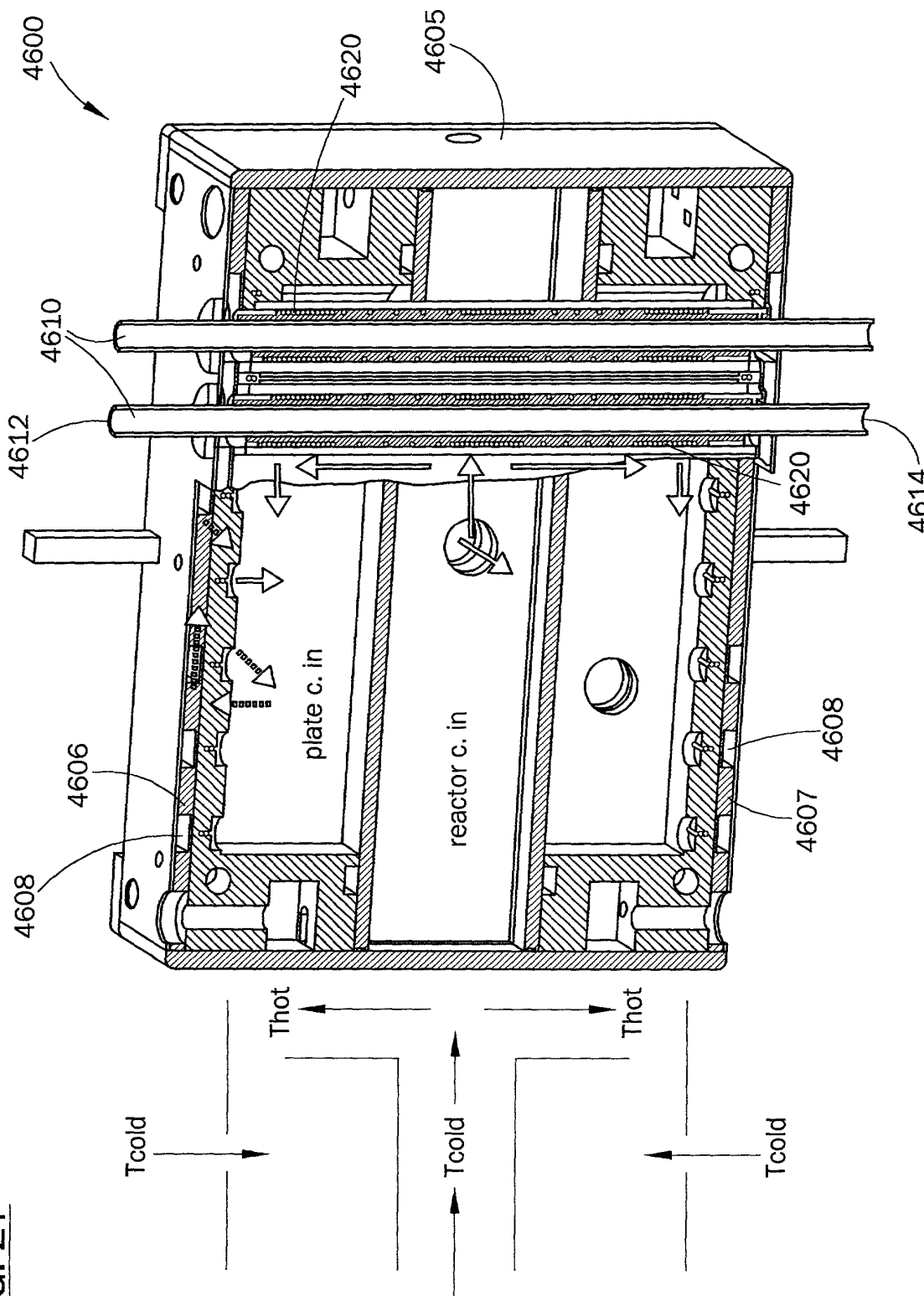


FIG. 2S



12/19

FIG. 2T



13/19

FIG. 3A

PROCESS EVALUATION

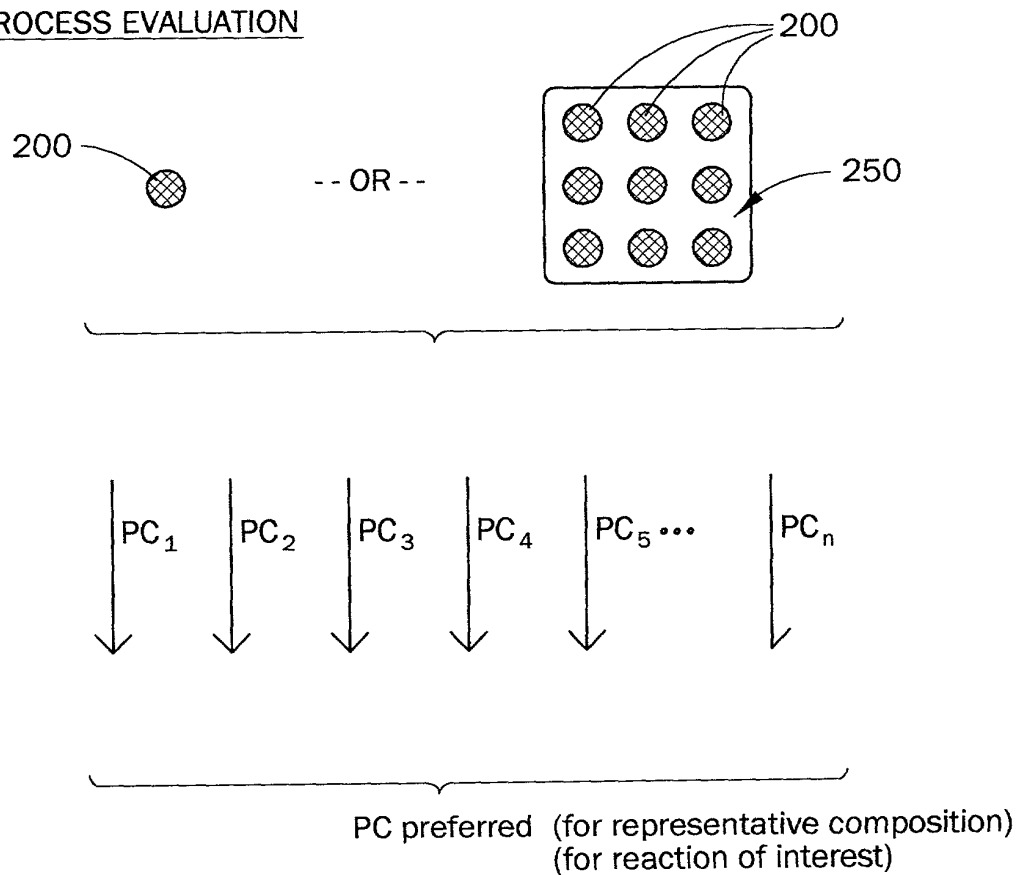


FIG. 3B

COMPOSITIONAL EVALUATION

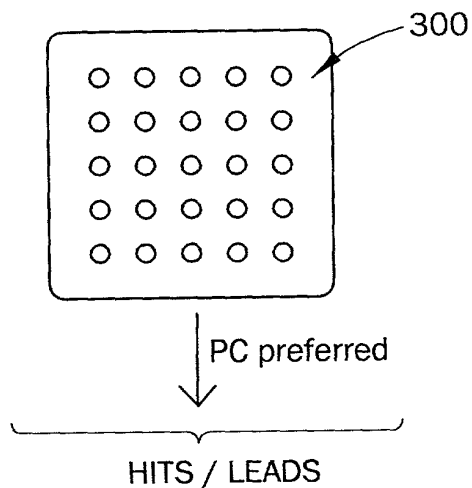


FIG. 4A

14/19

SYNTHESIS & PROCESS EVALUATION

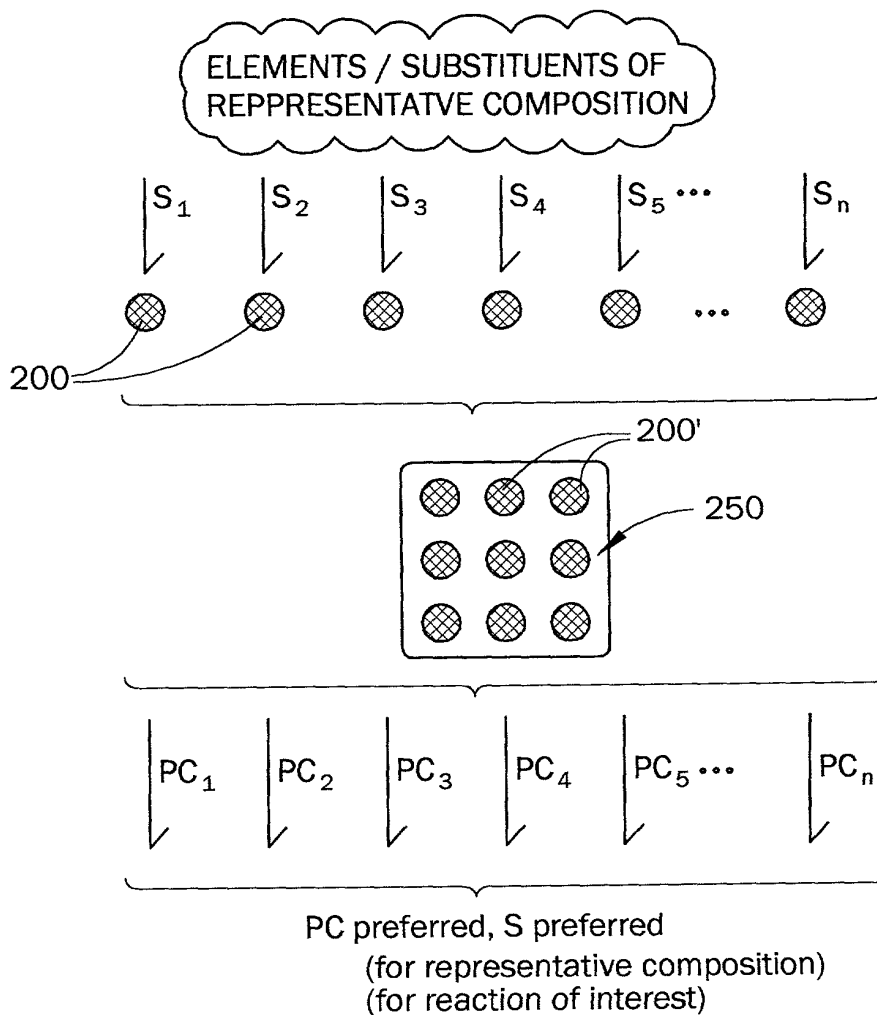
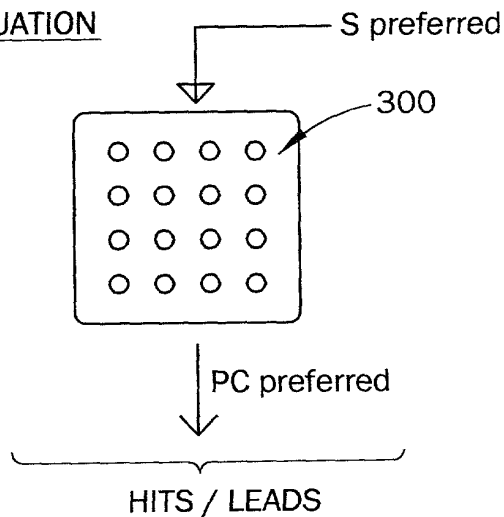


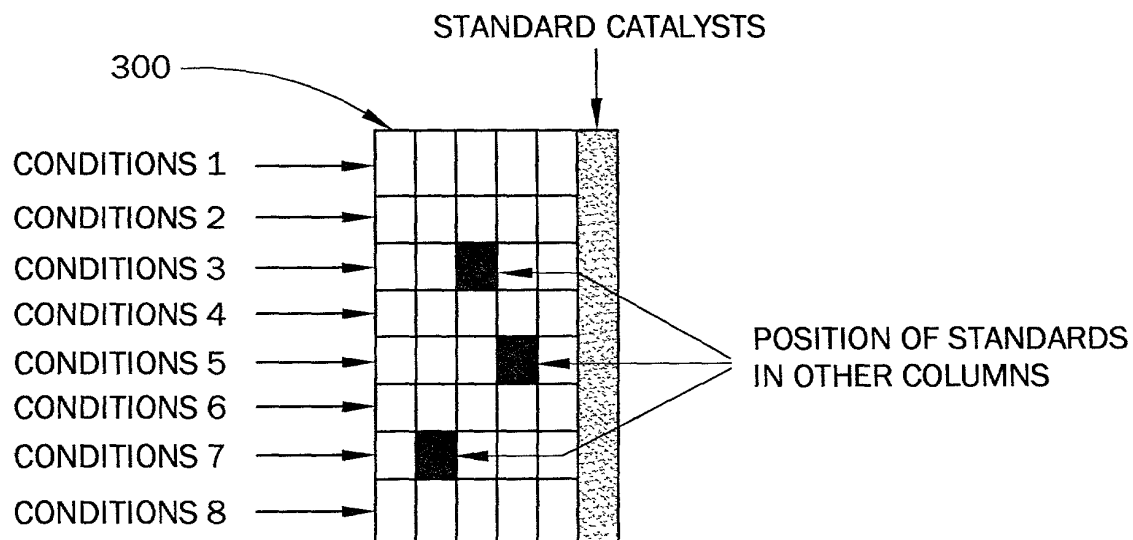
FIG. 4B

COMPOSITIONAL EVALUATION



15/19

FIG. 5A



16/19

FIG. 5B

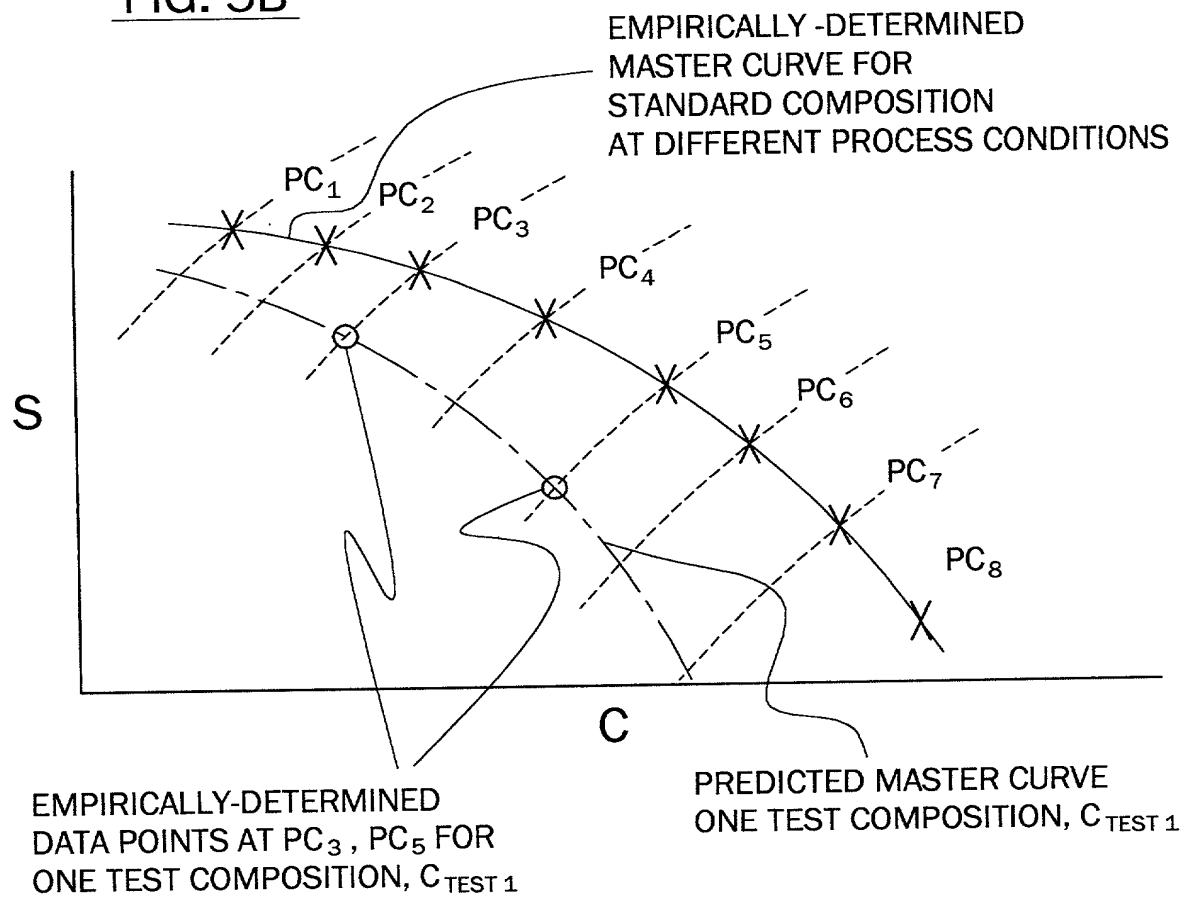
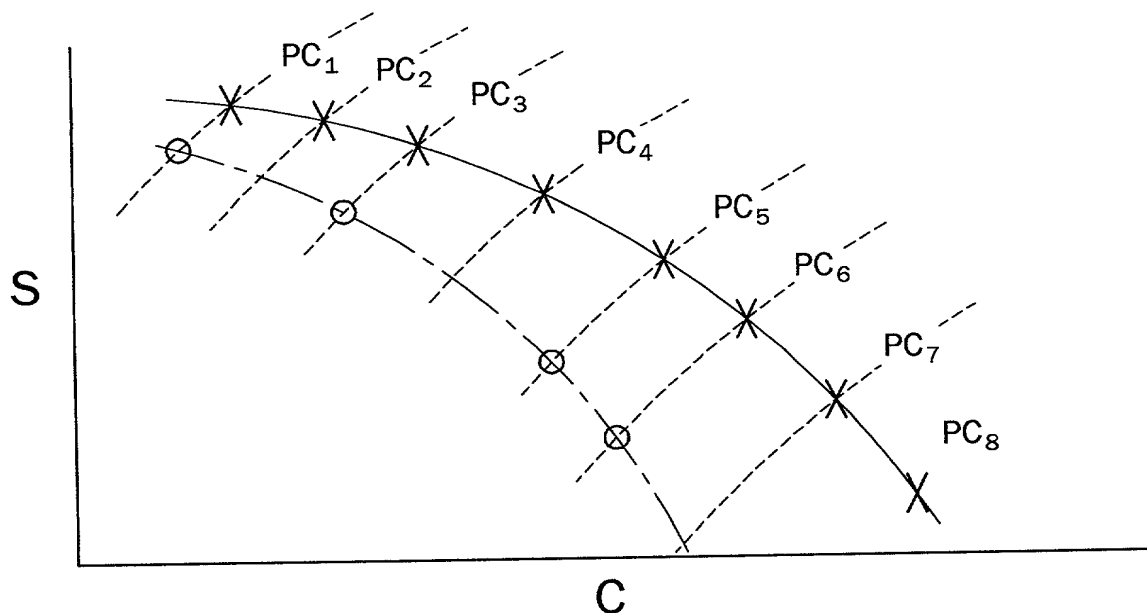


FIG. 5C



17/19

FIG. 5D

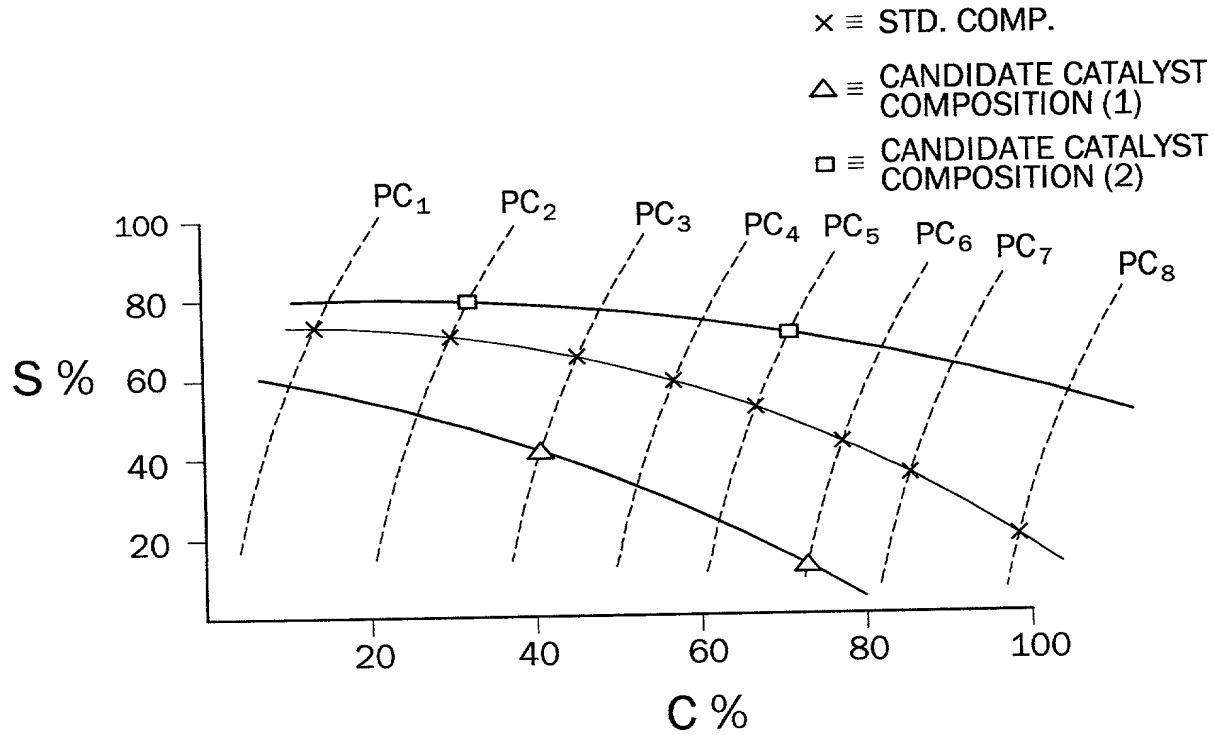
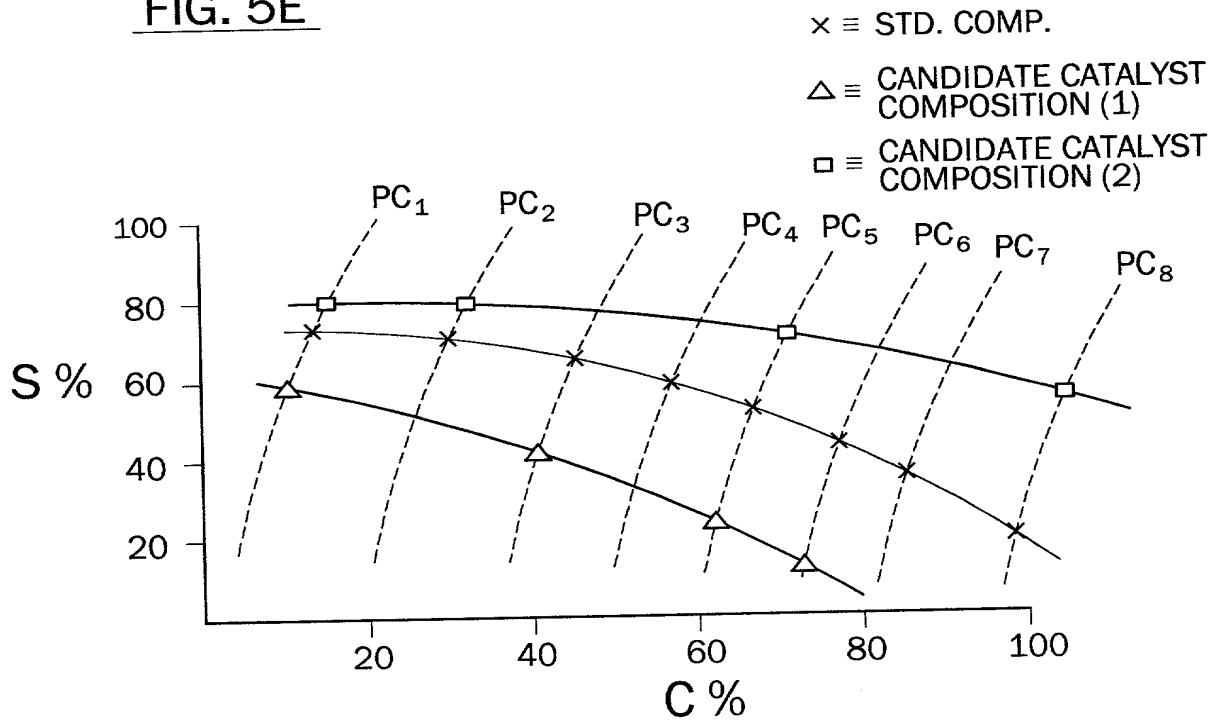
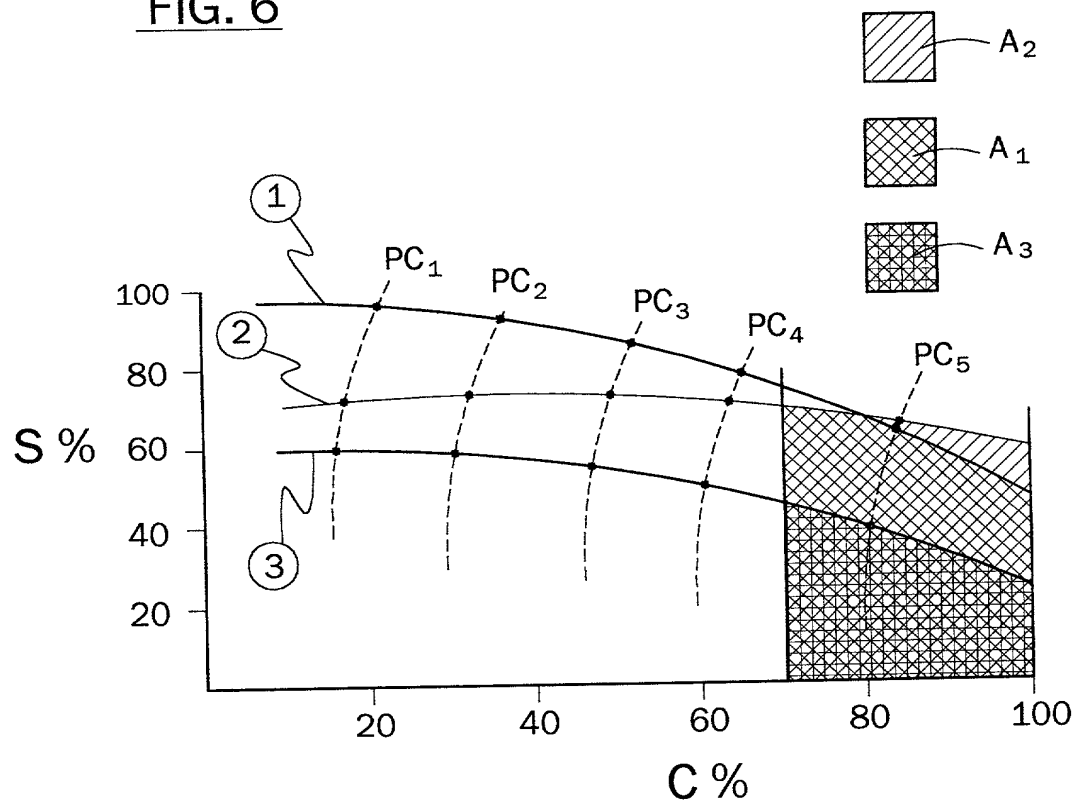


FIG. 5E



18/19

FIG. 6



$$\left(A_2 \geq A_1 \ggg A_3 \Rightarrow \textcircled{2} \geq \textcircled{1} \ggg \textcircled{3} \right)$$

FOR CATALYST PERFORMANCE

$$\textcircled{1} \equiv C_1$$

$$\textcircled{2} \equiv C_2$$

$$\textcircled{3} \equiv C_3$$

19/19

FIG. 7A

(PRIOR ART) - SINGLE POT SYNTHESIS

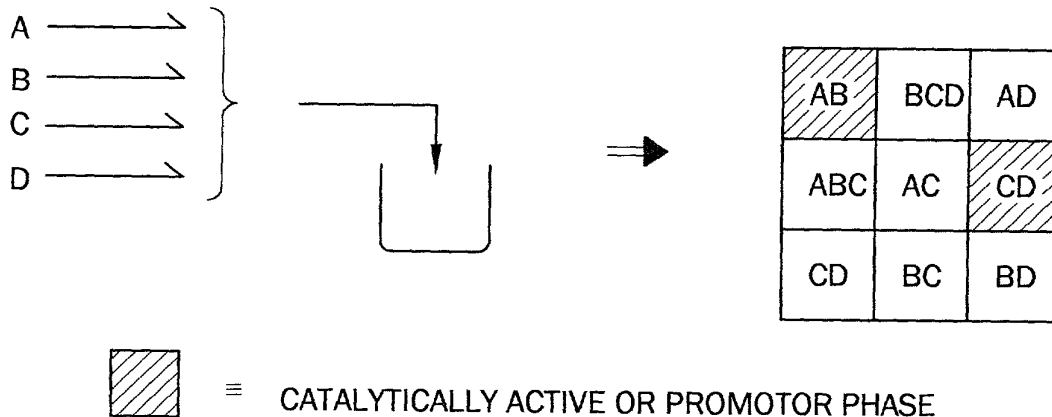


FIG. 7B

SELECTIVE-ACTIVE PHASE SYNTHESIS

